

# Abstracts

## Accurate modeling of thin conducting layers in FDTD

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S. Van den Berghe, F. Olyslager and D. De Zutter. "Accurate modeling of thin conducting layers in FDTD." 1998 *Microwave and Guided Wave Letters* 8.2 (Feb. 1998 [MGWL]): 75-77.

In recent papers the surface impedance condition is proposed to incorporate the effect of high conductivity of a material. This condition only takes the reflection at materials into account; the transmission through very thin layers is not considered. In this work, we introduce a similar approach to model both reflection and transmission when confronted with a thin layer of good, but not perfectly, conducting material.

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